January 12, 2012 WESP meeting notes

Reminder: WESP meeting 3:30 today in Main 126

Bob McKane to: Allen Brookes, Connie Burdick, David Olszyk, John.Bolte, Michael Papenfus, Nathan Schumaker   01/12/2012 08:50 AM

From: Bob McKane/COR/USEPA/US

To: Allen Brookes/COR/USEPA/US@EPA, Connie Burdick/COR/USEPA/US@EPA, David
          Olszyk/COR/USEPA/US@EPA, John.Bolte@oregonstate.edu, Michael
          Papenfus/COR/USEPA/US@EPA, Nathan Schumaker/COR/USEPA/US@EPA

WESP meeting reminder:

Hi all,

The 3:30 start is necessary to accommodate everyone, so we'll try to start promptly to get through the agenda in case some of you need to leave early.

The main goals of this WESP meeting are to (1) more fully develop the list of tasks, schedules and associated manuscripts that we began discussing in our last meeting for wrapping up WESP by September 30; and (2) per Tom's request, begin planning a WESP ESRP seminar for later in February.

The attached handout is a summary of our notes from last time so that we can pick up from there on item (1), and Tom's suggestions for the content of the ESRP seminar.

Please send any other suggestions you would like to have added to the agenda.

Thanks,
Bob

WESP meeting agenda for 1-12-12.docx

Agenda

(1) More fully develop the list of tasks, schedules and associated manuscripts that we began discussing in our last meeting for wrapping up WESP by September 30;

(2) Per Tom's request, begin planning a WESP ESRP seminar for later in February.

Item (1) – WESP wrap-up

Notes from our November 15 WESP meeting:

Purpose is to discuss what WESP will deliver to ESRP to close out the project by 9/30/12, specifically for the final deliverable for WESP, APM 116: "Report demonstrating a prototype decision support tool that integrates key ecosystem services within the WRB." This report would ideally include a compilation of published and cleared manuscripts reflecting the work of all WESP PIs. So, as a start, I propose that we develop a pub list for (1) stand-alone model applications (VELMA, HexSim, SMURF), and (2) whole-WRB Envision application(s) integrating these models. Now that Mike is here, we should also discuss how the valuation piece may be incorporated into the mix within the timeframe of the WESP close out.

Products for APM 116, due 9/30/12:   *By mid-February (when) would management plans be available*

- VELMA:
    1. Forest ecosystem service tradeoffs: Blue River/HJA watershed application focusing effects of alternative forest management scenarios on timber, carbon, GHGs, water, etc.
        - Include owls and fish? See HexSim and SMURF bullets, below. *may*
        - Economic analysis? *Fred / March Emissions Done –*
    2. Agricultural ecosystem service tradeoffs: Calapooia watershed application, focusing on unintended consequences of biofuel feedstock production on carbon, GHGs, water, soil quality, etc.
        - Include fish and wildlife? See HexSim and SMURF bullets, below.
        - Economic analysis?
    3. Agricultural impacts on pesticide transport and loading to streams: Kellie Vache's EPA coop focusing on Pudding River
- HexSim:
    1. PNW Spotted owl recovery plan
    2. Collaboration on VELMA items 1 and 2, above
    3. Other…
- SMURF:
    1. Collaboration on VELMA items 1 and 2, above
    2. Other…
- Envision and associated plug-ins for VELMA, SMURF, HexSim Lite, etc:
    1. Whole WRB simulations building on preceding modeling work and focusing on:
        - Effects of alternative urban growth boundary policies, agricultural and forest management practices on multiple ecosystem services (carbon, water, GHGs, etc.) in a biophysical and economic context
    2. Other…

Timing

Not whole Willamette? Subset

What ms?

What demonstrations?

where? what sense?

1

Item (2) - Tom Fontaine's January 5th email request for a WESP ESPR seminar

"As you know, I've encouraged all ESRP modelers to present their work in ESRP seminars, as it is very important that we communicate what has been done to date, and to not wait until everything has been tied up with a bow.

It sounds as if you, Nathan and others are ready to present on the following topics:

- Quantification of ecosystem service tradeoffs (water quality and quantity, food/fiber production, greenhouse gases, nitrogen regulation, etc) using VELMA in response to alternative land use and climate change scenarios
- The effects of land use on endangered species (spotted owls and amphibians) in the PNW, and how certain human diseases can propagate through wildlife populations. _/S x_
- The SMURF model and its application for assessing human impacts on fish populations.
- A broadly applicable systems modeling and decision platform (e.g., Envision and associated plug-ins including VELMA, HexSim, SMURF, etc) that will initially be tested for a final round of Willamette simulations, and will be ready to apply for SHC applications, once the community typology and EGS classification system is ready.

Can I sign you folks up for the January - February period?

It would also be good for Mike to talk about how he plans to dovetail his valuation work with these models.

I look forward to setting these seminars up. If you could provide the following information for each one I'd appreciate it:

- Title: _HexSim_
- Proposed date and time (we try to start these seminars between 10 AM and noon Pacific to allow for other time zones to participate fully; 1.5 h is scheduled):
- Speaker bio: a paragraph or two"

Thomas D. Fontaine, Ph.D.
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National Health and Environmental Effects Laboratory
Office of Research and Development
US EPA   _— Chesapeake/_
                                                            [Willamette
                                                            Connection

Back to Tom F. within
Next Week